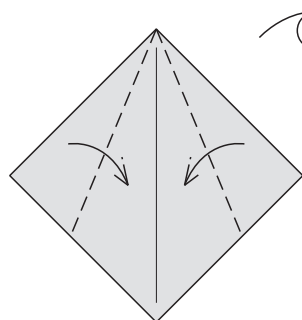
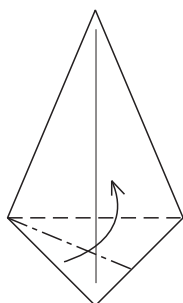


# Matchbox

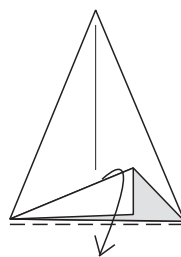
by Marc kirschenbaum ©1990



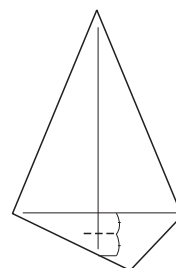
1. Fold the sides to the center. Turn over.



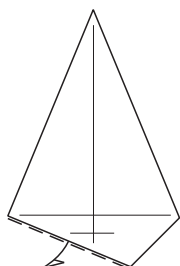
2. Pleat upwards.



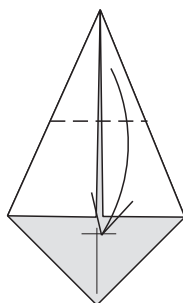
3. Swing down.



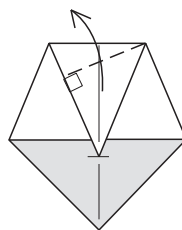
4. Precrease halfway.



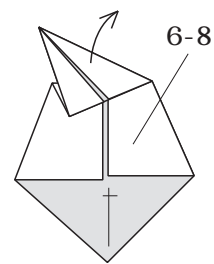
5. Open out. Turn over.



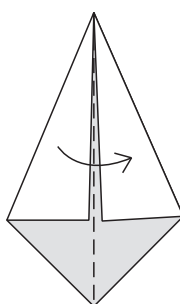
6. Valley fold to the precrease from step 4.



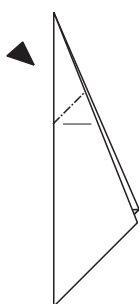
7. Valley fold upwards.



8. Unfold. Repeat steps 6-8 in mirror image.



9. Fold in half.



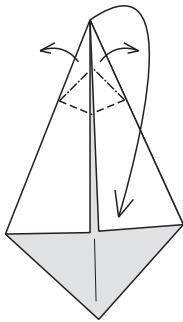
10. Reverse fold.



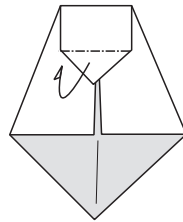
11. Outside reverse fold.



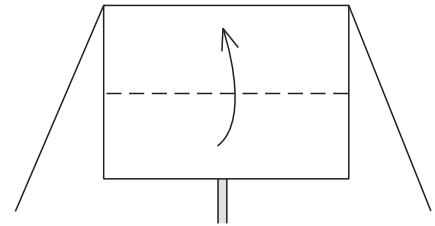
12. Undo the reverse folds.



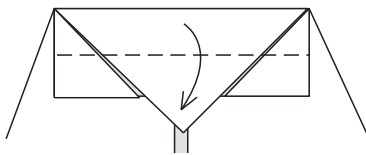
13. Squash the top, using the existing creases.



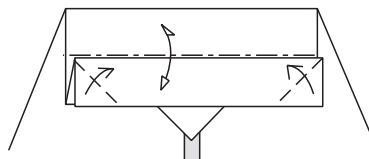
14. Mountain fold.



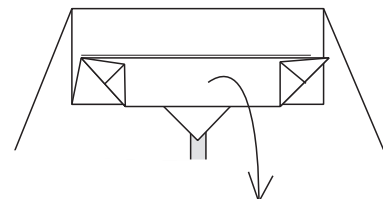
15. Valley lightly. Allow the flap folded in step 14 to flip out.



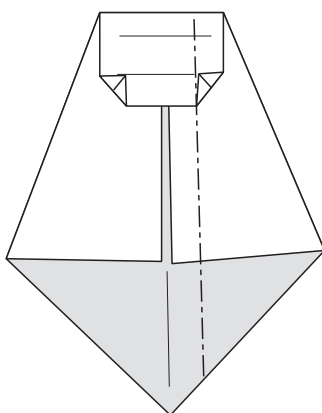
16. Valley fold in half.



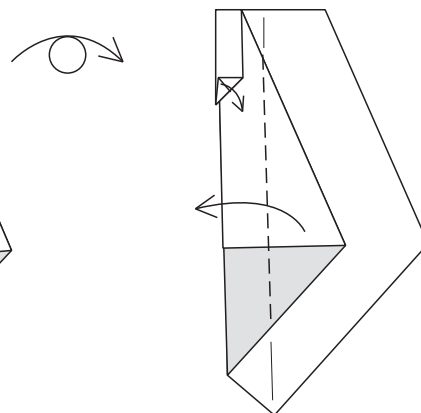
17. Precrease with a mountain fold. Valley the top corners up.



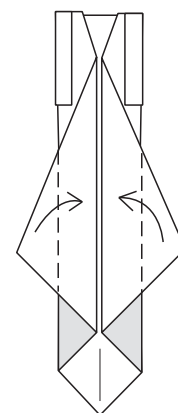
18. Unfold the pleat.



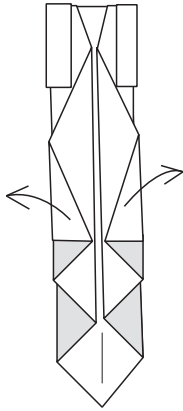
19. Mountain fold, using the tiny folded corner as a guideline. Turn over.



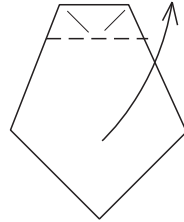
20. Undo the tiny valley fold. Valley outwards along the center of the model. Repeat steps 19-20 in mirror image.



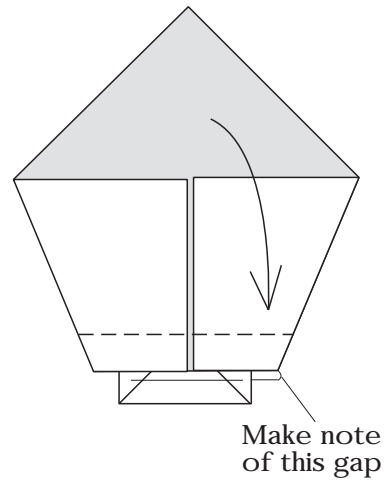
21. Valley fold towards the center.



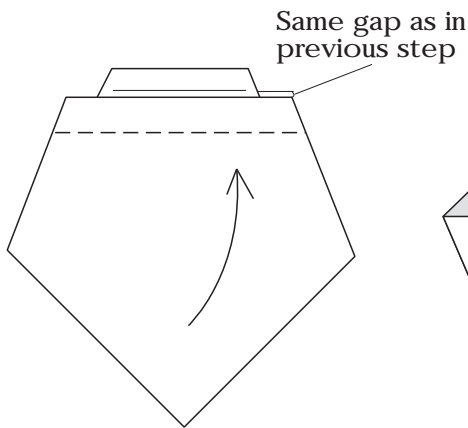
22. If the center corners overlap, you will have to reverse them outwards at step 30. Unfold the pleats.



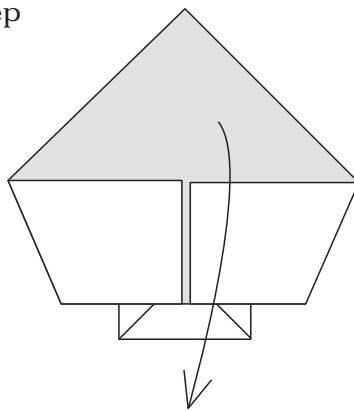
23. Valley up along the existing crease.



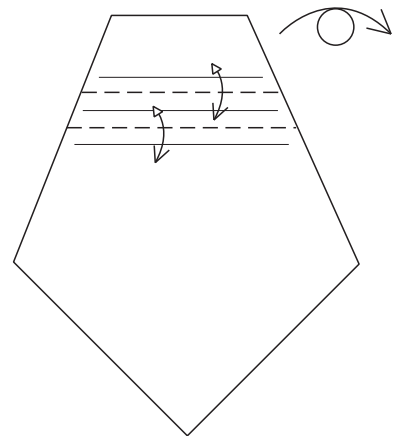
24. Valley down, such that the indicated gap is the same as the gap indicated in the next step.



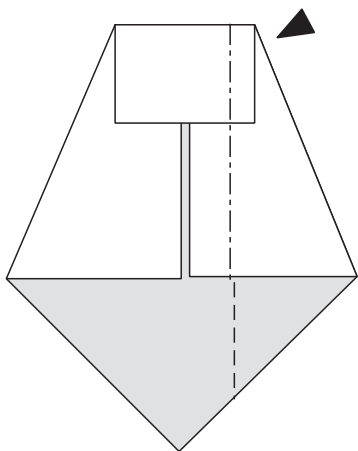
25. Valley up to meet the folded edge underneath.



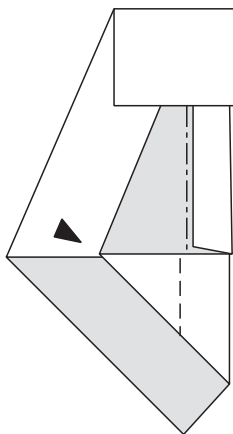
26. Open out the pleats.



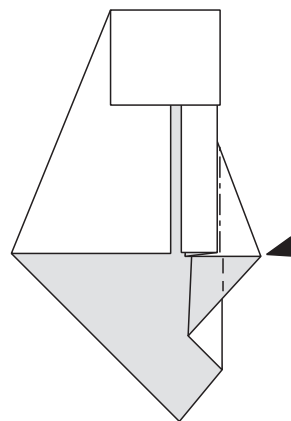
27. Precrease by inserting valley folds. Turn over.



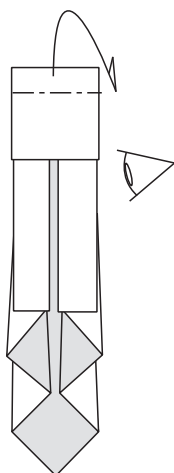
28. Closed reverse fold along the existing crease.



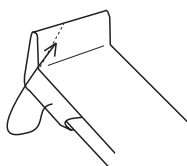
29. Reverse fold along the existing crease.



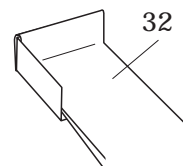
30. Reverse again. If the corner extends beyond the center, reverse it outwards to make the center edges flush.



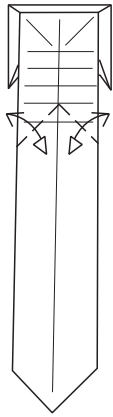
31. Mountain fold at 90 degrees along the existing crease.



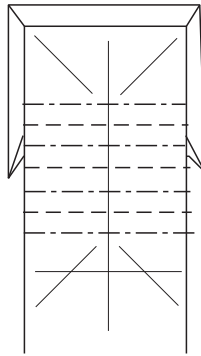
32. View from previous step. Pull out the center layer to lie at 90 degrees.



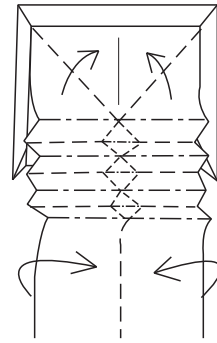
33. Repeat step 32 on the other side.



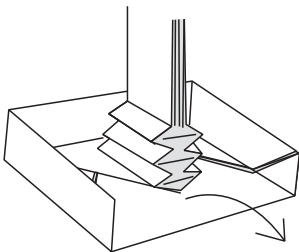
34. Precrease.



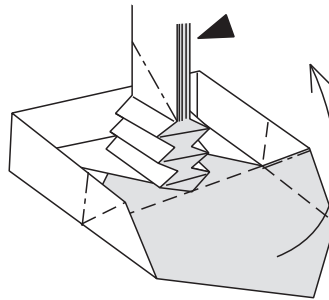
35. Add additional folds (at roughly 90 degrees to each other) to create a pleat.



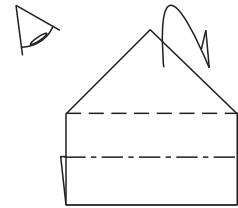
36. Rabbit ear the long flap straight up. Allow the pleats to collapse. New folds will form on the top single layer automatically.



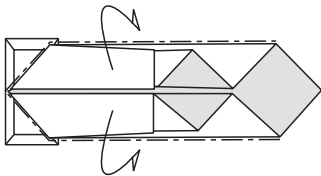
37. Pull out the single layer.



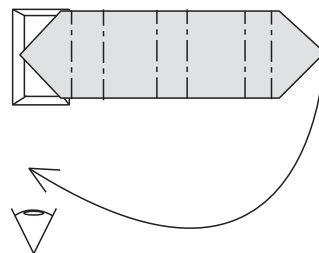
38. Squash the top flap along the existing creases. Collapse the front as indicated.



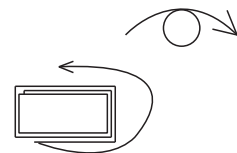
39. Front view. Tuck the flap in (under the pleated section).



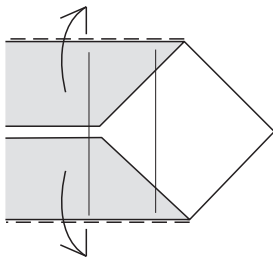
40. View from step 39. Wrap all the layers around to create a color change.



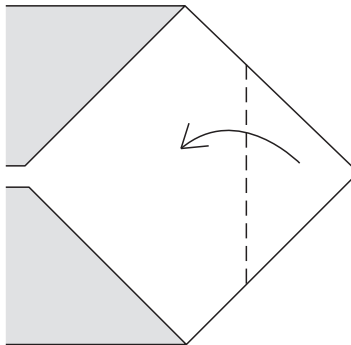
41. Wrap the flap around the box.



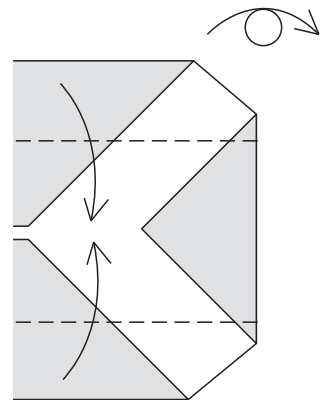
42. View from step 41. Unwrap the flap, and turn over.



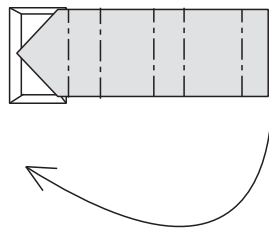
43. End of flap is pictured. Open out (model will not lie flat).



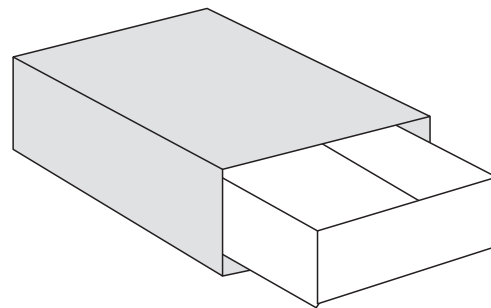
44. Valley fold along the existing crease.



45. Valley the sides back in. Turn over.



46. Using the existing creases, tuck the flap into itself. Work from the center towards the outside edges, pushing the inner box from side to side to gain access. Smoothing out the inside will improve the mechanism.



47. Completed Matchbox  
©1990 Marc Kirschenbaum  
Based on the mechanism  
used in Fred Rohm's  
"Matchbox."